

Converting Colors

$Y_{xy}(10.1058, 0.1856, 0.0835)$

Have a look what the booklet for
Yxy(10.1058, 0.1856, 0.0835)
contains.

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Color

Yxy(10.1530, 0.1858, 0.0836)

Conversions

Conversions Part 1

Format	Color
Hex	6617F7
RGB	102, 23, 247
RGB Percent	40%, 9%, 97%
CMY	0.6002, 0.9093, 0.0315
CMYK	0.59, 0.91, 0.00, 0.03
HSL	261°, 93%, 53%
HSV	261°, 91%, 97%
XYZ	22.5649, 10.1530, 88.7294
YIQ	72.1570, -24.8200, 86.4120

Conversions

Conversions Part 2

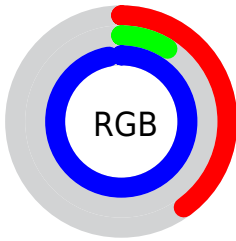
Format	Color
R _{YB}	102, 23, 247
Decimal	6690807
CIE _{Lab}	38.12, 76.34, -93.51
CIE _{LCh}	38, 120.714, 309.230
Yxy	10.1530, 0.1858, 0.0836
Android (android.graphics.Color)	4284880887 (0xFF6617F7)
YUV	72.1570, 86.1976, 26.1723
Hunter-Lab	31.8638, 70.6465, -142.7972

Details

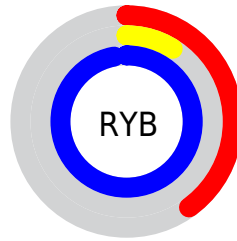
The Yxy color **10.1530, 0.1858, 0.0836** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed purple. A complement of this color would be **74.8950, 0.3615, 0.5461**, and the grayscale version is **6.3725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **22.2004, 0.2396, 0.1417**, and **3.6741, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **8.7377, 0.1755, 0.0740**, and if you desaturate by 10%, it is **12.6611, 0.1991, 0.0997**.

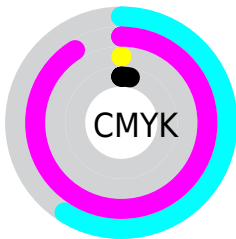
Distribution



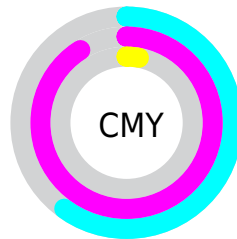
- Red (40%)
- Green (9%)
- Blue (97%)



- Red (40%)
- Yellow (9%)
- Blue (97%)



- Cyan (59%)
- Magenta (91%)
- Yellow (0%)
- Black (3%)





- Cyan (60%)
- Magenta (91%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.1530, 0.1858, 0.0836 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 10.1530, 0.1858, 0.0836 by changing the saturation by 10% instead.

 10.1530, 0.1858,
0.0836


 10.1530, 0.1858,
0.0836


191.7606, 0.2596,
0.1929


 5.5005, 0.1669,
0.0638


 26.0829, 0.2136,
0.1182


 2.5438, 0.1434,
0.0430


 38.1291, 0.2239,
0.1328

 0.8985, 0.1145,
0.0231

 53.4086, 0.2325,
0.1458

 0.0000, 0.0810,
0.0000

 72.3059, 0.2397,
0.1574

 0.0000, 0.0424,
0.0000

 95.2054, 0.2458,
0.1678

 0.0000, 0.0000,
0.0000

 122.4914, 0.2511,

0.1770

154.5483, 0.2556,
0.1854

■ 10.1530, 0.1858,
0.0836

■ 10.1530, 0.1858,
0.0836

■ 8.7377, 0.1755,
0.0740

■ 12.6611, 0.1991,
0.0997

■ 16.4800, 0.2144,
0.1220

■ 21.7820, 0.2307,
0.1494

■ 28.7123, 0.2472,
0.1799

■ 37.3976, 0.2630,
0.2118

■ 47.9523, 0.2776,
0.2435

■ 60.4804, 0.2907,
0.2737

■ 75.0785, 0.3022,
0.3018

■ 91.8364, 0.3121,
0.3275

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



10.1530, 0.0802, 0.0664



10.1530, 0.1858, 0.0836



10.1530, 0.4149, 0.1336

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



10.1530, 0.1858, 0.0836



10.1530, 0.6118, 0.3882



10.1530, 0.0367, 0.3302

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



10.1530, 0.1858, 0.0836



74.8950, 0.3615, 0.5461

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.1530, 0.1003, 0.7673



10.1530, 0.1858, 0.0836



10.1530, 0.4229, 0.5771

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



10.1530, 0.1858, 0.0836



10.1530, 0.7232, 0.2768



10.1530, 0.2244, 0.7756



10.1530, 0.0264, 0.1290

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



10.1530, 0.1858, 0.0836



10.1530, 0.6074, 0.1829



10.1530, 0.2244, 0.7756



10.1530, 0.0499, 0.4673

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



10.1532, 0.1858, 0.0836



56.1613, 0.2825, 0.2545



35.1299, 0.1960, 0.2203



11.0840, 0.2778, 0.2440



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.1532, 0.1858, 0.0836



9.3842, 0.1753, 0.0740



21.5339, 0.2863, 0.1381



16.2106, 0.3034, 0.3049



4.6946, 0.1771, 0.0749



0.4678, 0.1908, 0.0825

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.2158, 0.4229, 0.2147



23.9835, 0.4375, 0.2184



67.4177, 0.3064, 0.5889



16.6634, 0.3192, 0.3138



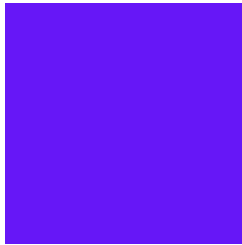
11.8283, 0.4348, 0.2169



1.0590, 0.4168, 0.2070

Previews

White Background



This preview shows how the Yxy color 10.1530, 0.1858, 0.0836 looks on a white background.

Color Contrast Check

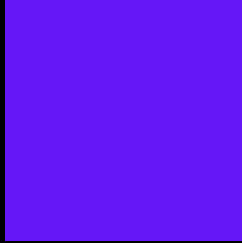
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 10.1530, 0.1858, 0.0836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

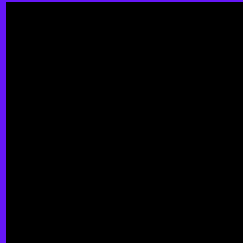
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.1530, 0.1858, 0.0836

Background



This preview shows how black text looks on a background with the Yxy color 10.1530, 0.1858, 0.0836.



This preview shows how white text looks on a background with the Yxy color 10.1530, 0.1858, 0.0836.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

10.1530, 0.1858, 0.0836

Protanopia

10.1938, 0.1752, 0.1507

Deuteranopia

10.0209, 0.1867, 0.1920



Tritanopia

10.2474, 0.2365, 0.3075

Trichromacy



Original Color

10.1530, 0.1858, 0.0836

Protanomaly

8.5163, 0.1684, 0.1044

Deuteranomaly

8.0385, 0.1732, 0.1175

Tritanomaly

7.9976, 0.2026, 0.1560

Monochromacy



Original Color

10.1530, 0.1858, 0.0836

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.2549, 0.2357, 0.1580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1530, 0.1858, 0.0836 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(102, 23, 247)` looks like.

```
.text, #text, p{  
    color:rgb(102, 23, 247)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(102, 23, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 23, 247) }
```

Border

The CSS property to change the border of an element to Yxy 10.1530, 0.1858, 0.0836 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 23, 247) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(102, 23, 247) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(102, 23, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 23, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 23, 247);  
box-shadow:4px 4px 4px 4px rgb(102, 23,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1530, 0.1858, 0.0836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 23, 247) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(102, 23,  
247) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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